



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Angelo Mascarenhas ) Art Unit: 2815  
Serial No.: 09/841,691 ) Examiner: Jerome Jackson, Jr.  
Filing Date: April 24, 2001 )  
Title: Isoelectronic Co-Doping ) Atty. Docket No.: 99-50

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**SUPPLEMENTAL INFORMATION DISCLOSURE**  
**STATEMENT UNDER 37 CFR § 1.97(b)**

Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing of a first office action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

That each item of information contained in the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 USC §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

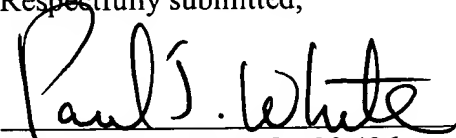
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reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No.: 14-0460.

Respectfully submitted,



Paul J. White, Reg. No. 30,436  
Attorney for Applicants

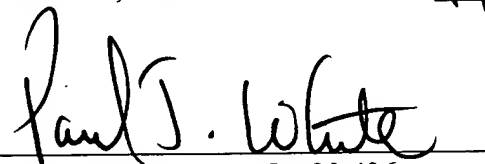
Dated: February 19, 2004.

#### CERTIFICATE OF MAILING UNDER 37 CFR § 1.8

I hereby certify that the following attached items:

- (1) Supplemental Information Disclosure Statement Under 37 CFR § 1.97(b) [2 pgs.]
- (2) PTO Form 1449 with cited references
- (6) Postcard receipt

are being deposited in the United States Postal Service as first class mail, postage pre-paid, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on the 19 day of February 2004.



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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		<b>Application Number</b>	09/841,691		
		<b>Filing Date</b>	April 24, 2001		
		<b>First Named Inventor</b>	Angelo Mascarenhas		
		<b>Art Unit</b>	2815		
		<b>Examiner Name</b>	Jerome Jackson, Jr.		
<b>Sheet</b>	1	<b>of</b>	1	<b>Attorney Docket Number</b>	NREL IR 99-50

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T‡
	1	Thomas, D.G. and Hopfield, J.J., "Isoelectronic Traps Due to Nitrogen in Gallium Phosphide," Physical Review, Volume 150, Number 2, 14 October 1965, pp. 680-689.	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Applicant's unique citation designation number (optional). ‡ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria VA 22313-450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 4450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.